

PATENT

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FRENCH PETROLEUM INSTITUTE

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TREATMENT OF METATHESIS CATALYSTS FOR OLEFINS  
IN A VIBRATORY HELICOIDAL CONVEYOR

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Abstract:

The invention relates to a process for treatment of metathesis catalysts for olefins that consists in sending the particles of catalysts through at least one vibratory helicoidal conveyor, in subjecting them over at least a portion of their path and preferably over a large portion of their path to a temperature profile, and in bringing them into contact with at least one fluid over at least a portion of their path. Vibratory helicoidal lifting device (12) makes it possible to regenerate metathesis catalysts for olefins: it comprises a combustion zone (14) and a calcination zone (15), as well as a preheating zone, a zone for stripping hydrocarbons and a zone for cooling the catalyst.

Figure 2 to be published.